UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,595	07/29/2003	Yuichi Yagawa	16869B-064300US	1653

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EXAMINER
DWIVEDI, MAHESH H

ART UNIT	PAPER NUMBER
2168	

DATE MAILED: 03/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/630,595	YAGAWA, YUICHI
	Examiner	Art Unit	
	Mahesh H. Dwivedi	2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>29 July 2003</u>.

2a)☐ This action is **FINAL**.　　2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-43</u> is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-43</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>29 July 2003</u> is/are: a)☐ accepted or b)☒ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All　b)☐ Some *　c)☐ None of:

　　　　1.☐ Certified copies of the priority documents have been received.

　　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
　　Paper No(s)/Mail Date ~~????~~

4)☐ Interview Summary (PTO-413)
　　Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

U.S. Patent and Trademark Office

PTOL-326 (Rev. 7-05)　　　　　Office Action Summary　　　　　Part of Paper No./Mail Date 20060315

DETAILED ACTION

Information Disclosure Statement

1.   The information disclosure statement (IDS) submitted on 07/29/2003 has been

received, entered into the record, and considered. The submission is in compliance

with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is

being considered by the examiner.

The information disclosure statement (IDS) submitted on 01/17/2006 is not in

compliance with the provisions of 37 CFR 1.97. The statement discloses a lone patent

(U.S. Patent 6,723,117) that does not exist and has been withdrawn. Accordingly, the

information disclosure statement is not being considered by the examiner.

Specification

2.   The specification is objected to as failing to provide proper antecedent basis for

the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction

of the following is required: In claim 7, the term **"throughput"** is never mentioned in the

specification. Appropriate correction is required.

Claim Objections

3.   Claim 15 is objected to under 37 CFR 1.75 as being a substantial duplicate of

claim 3. When two claims in an application are duplicates or else are so close in

content that they both cover the same thing, despite a slight difference in wording, it is

proper after allowing one claim to object to the other as being a substantial duplicate of

the allowed claim. See MPEP § 706.03(k).

Claim 16 is objected to under 37 CFR 1.75 as being a substantial duplicate of claim 4. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

Applicant is advised that should claim 3 be found allowable, claim 15 will be objected to under 37 CFR 1.75 as being a substantial duplicate thereof. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

Applicant is advised that should claim 4 be found allowable, claim 16 will be objected to under 37 CFR 1.75 as being a substantial duplicate thereof. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

4.   Claim 14 is objected to because of the following informalities: The applicant is reminded that all claims must end with a period. Appropriate correction is required.

Claim 31 is objected to because of the following informalities: The applicant is reminded that all claims must end with a period. Appropriate correction is required.

Claim 31 is objected to because of the following informalities: The applicant is reminded that no limitations that are claimed after a period can be considered. After the limitation **"a switch coupled to each of the database system and the application system"**, a period appears. Appropriate correction is required.

Claim 33 is objected to because of the following informalities: The phrase "and the database system being coupled a storage system" is incoherent. The examiner suggests that the applicant change this phrase to "and the database system being coupled **to** a storage system ". Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action: .

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-8, 15-21, 23-33, and 37-42 are rejected under 35 U.S.C. 102(b) as being anticipated by **Eldreth** (U.S. Patent 6,292,800).

7. . Regarding claim 1, **Eldreth** teaches a system comprising:

A) an application system for providing queries to a database system including the database, the database system coupled to the application system via a first connection (Column 1, lines 32-38, Figure 2);

B) a storage system coupled to each of the application system and the database

system (Column 3, lines 7-15, Figure 2); and

C) a return path selector coupled to the database system for selecting a return path

over which to return results from queries made to the database system, the return path

selector selecting from among at least the first connection or the storage system

(Column 3, lines 25-37, Figures 2-3).

Regarding claim 2, **Eldreth** further teaches a system comprising:

A) a request path selector coupled to the application system for selecting a request

path over which to send query data for requests made to the database system, the

request path selector selecting from among at least the first connection or the storage

system (Column 3, lines 25-37, Figures 2-3).

Regarding claim 3, **Eldreth** further teaches a system comprising:

A) wherein the storage system is coupled to each of the application system and the

database system using a switch (Column 3, lines 25-37, Figures 2-3).

Regarding claim 4, **Eldreth** further teaches a system comprising:

A) wherein a database hub system is used to couple the application system and the

database system (Column 3, lines 25-37, Figures 2-3).

Regarding claim 5, **Eldreth** further teaches a system comprising:

A) wherein the results from the query have a size, and the return path selector chooses a return path based on the size of the results (Column 3, lines 7-15).

Regarding claim 6, **Eldreth** further teaches a system comprising:

A) wherein the return path selector chooses a return path based on a prediction of the size of the results (Column 3, lines 7-15).

Regarding claim 7, **Eldreth** further teaches a system comprising:

A) wherein the return path selector chooses a return path based on a measurement of throughput of the first connection (Column 3, lines 7-15).

Regarding claim 8, **Eldreth** further teaches a system comprising:

A) wherein when the return path is chosen to be the storage system, the results are sent to the storage system as a file and an address in the storage system for the file is provided to the application system using the first connection (Column 7, lines 9-16).

Regarding claim 15, **Eldreth** further teaches a system comprising:

A) wherein the storage system is coupled to each of the application system and the database system using a switch (Column 3, lines 25-37, Figures 2-3).

Regarding claim 16, **Eldreth** further teaches a system comprising:

A) wherein the database includes a hub system for system coupled to each of the application system and the database system (Column 3, lines 25-37, Figures 2-3).

Regarding claim 17, **Eldreth** teaches a system comprising:

A) an application system for providing queries to a database system coupled to the application system via a first connection (Column 1, lines 32-38);

B) a storage system coupled to each of the application system and the database system (Column 3, lines 7-15, Figure 2); and

C) a request path selector coupled to the application system for selecting a request path over which to send query data for requests made to the database system, the request path selector selecting from among at least the first connection or the storage system (Column 3, lines 25-37, Figures 2-3).

Regarding claim 18, **Eldreth** further teaches a system comprising:

A) wherein the storage system is coupled to each of the application system and the database system using a switch (Column 3, lines 25-37, Figures 2-3).

Regarding claim 19, **Eldreth** further teaches a system comprising:

A) wherein a database hub system is used to couple the application system and the database system (Column 3, lines 25-37, Figures 2-3).

Regarding claim 20, **Eldreth** further teaches a system comprising:

A) wherein the query data have a size, and the request path selector chooses a

request path based on the size of the query data (Column 3, lines 7-15).

Regarding claim 21, **Eldreth** further teaches a system comprising:

A) wherein when the request path is chosen to be the storage system, the query data

are sent to the storage system as a file and an address in the storage system for the file

is provided to the database system using the first connection (Column 7, lines 9-16).

Regarding claim 23, **Eldreth** further teaches a system comprising:

A) wherein the file also has associated therewith a flag to indicate status of the file

(Column 5, lines 22-44).

Regarding claim 24, **Eldreth** further teaches a system comprising:

A) wherein the flag indicates at least one of whether the file is being written, is ready to

be read, is being read, and is available to be deleted (Column 5, lines 22-44).

Regarding claim 25, **Eldreth** further teaches a system comprising:

A) a return path selector coupled to the database system for selecting a return path

over which to return results from queries made to the database system, the return path

selector selecting from among at least the first connection or the storage system

(Column 3, lines 25-37, Figures 2-3).

Regarding claim 26, **Eldreth** further teaches a system comprising:

A) wherein the results from the query have a size, and the return path selector chooses

a return path based on the size of the results (Column 3, lines 7-15).

Regarding claim 27, **Eldreth** further teaches a system comprising:

A) wherein when the return path is chosen to be the storage system, the results are

sent to the storage system as a file and an address in the storage system for the file is

provided to the application system using the first connection (Column 7, lines 9-16).

Regarding claim 28, **Eldreth** teaches a system comprising:

A) an application system for providing queries to a database system coupled to the

application system via a first connection (Column 1, lines 32-38);

B) the application system including a database access system, and the database

system including a gateway system (Column 3, lines 7-15, Figure 2);

C) a storage system coupled to each of the application system and the database

system (Column 3, lines 7-15, Figure 2); and

D) the gateway system including a return path selector for selecting a return path over

which to return results from queries made to the database system, the return path

selector selecting from among at least the first connection or the storage system

(Column 3, lines 25-37, Figures 2-3).

Regarding claim 29, **Eldreth** further teaches a system comprising:

A) wherein the gateway system includes a return path selector for selecting a return path over which to return results from queries made to the database system, the return path selector selecting from among at least the first connection or the storage system (Column 3, lines 25-37, Figures 2-3).

Regarding claim 30, **Eldreth** teaches a system comprising:

A) an application system for providing queries to a database system coupled to the application system via a-first connection (Column 1, lines 32-38);

B) the application system including a database access system; and

C) the database system including a gateway system (Column 3, lines 7-15, Figure 2);

D) a storage system coupled to each of the application system and the database system (Column 3, lines 7-15, Figure 2); and

E) the database access system including a request path selector for selecting a request path over which to send data for queries made to the database system, the request path selector selecting from among at least the first connection or the storage system (Column 3, lines 25-37, Figures 2-3).

Regarding claim 31, **Eldreth** teaches a system comprising:

A) an application system for providing queries to a database system including the database (Column 1, lines 32-38, Figure 2);

B) the database system coupled to the application system via a communications network connection (Column 1, lines 32-38, Figure 2); and

C) a switch coupled to each of the database system and the application system

(Column 3, lines 25-37, Figures 2-3).

D) a storage system coupled to the switch (Column 3, lines 25-37, Figures 2-3); and

E) a return path selector coupled to the database system for selecting a return path

over which to return results from queries made to the database system, the return path

selector selecting from among at least the communications network connection and the

switch (Column 3, lines 25-37, Figures 2-3);

Regarding claim 32, **Eldreth** further teaches a system comprising:

A) a request path selector coupled to the application system for selecting a request

path over which to send query data for requests made to the database system, the

request path selector selecting from among at least the communications network

connection or the switch (Column 3, lines 25-37, Figures 2-3).

Regarding claim 33, **Eldreth** teaches a system comprising:

A) a query provider which provides queries to a database system connected to it by a

first connection (Column 1, lines 32-38, Figure 2);

B) the query provider and the database system being coupled a storage system

(Column 3, lines 7-15, Figure 2);

C) a method of returning results to the query provider comprising storing the results in

the storage system at an address; and

D) sending the address of the results over the first connection to the query provider

(Column 7, lines 9-16).

Regarding claim 37, **Eldreth** further teaches a system comprising:

A) storing the query data in the storage system at a location (Column 7, lines 9-16);

and

B) sending information about the location over the first connection to the database

system (Column 3, lines 25-37, Figures 2-3).

Regarding claim 38, **Eldreth** further teaches a system comprising:

A) retrieving the query data from the storage system (Column 3, lines 25-37, Figures 2-

3); and   -

B) using the query data to obtain the results (Column 3, lines 25-37, Figures 2-3).

Regarding claim 39, **Eldreth** further teaches a system comprising:

A) providing a flag associated with the results to indicate whether the results are ready

to be read by the query provider (Column 5, lines 22-44).

Regarding claim 40, **Eldreth** further teaches a system comprising:

A) providing a flag associated with the results to indicate whether the results have

been read by the query provider (Column 5, lines 22-44).

Regarding claim 41, **Eldreth** teaches a data storage system comprising:

A) receiving from the database system over the network, results of execution of

queries, the queries being sent to the database system by the application system

(Column 1, lines 32-38, Figure 2);

B) storing the results in a storage area that the database system and the application

system can access (Column 7, lines 1-8); and

C) sending, in response to a request from the application system, the results to the

application system over the network (Column 3, lines 25-37, Figures 2-3).

Regarding claim 42, **Eldreth** teaches a data storage system comprising:

A) sending a query from the application system to the database system by using the

first connection (Column 1, lines 32-38, Figure 2); and

B) obtaining at the application system, a result of execution of the query from the

storage system via the second connection (Column 3, lines 25-37, Figures 2-3).

Claim Rejections - 35 USC § 103

8.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:.

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
>
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
>
> the prior art are such that the subject matter as a whole would have been obvious at the time the
>
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
>
> Patentability shall not be negatived by the manner in which the invention was made.

9.   Claims 9 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Eldreth (U.S. Patent 6,292,800) as applied to claims 1-8, 15-21, 23-33, and 37-42

above and in view of **Luke et al.** (U.S. Patent 6,985,956).

10.   Regarding claim 9, **Eldreth** does not explicitly teach a system comprising:

A) wherein after the results are used by the application system, the application system

designates the results as used, thereby enabling them to be erased from the storage

system at a later time.

Luke, however, teaches **"wherein after the results are used by the**

application system, the application system designates the results as used,

thereby enabling them to be erased from the storage system at a later time" as

"cache a file, retrieve a cached file (on board or off), and bypass a cached file (On board

or off)" (Column 9, lines 6-14).

It would have been obvious to one of ordinary skill in the art at the time the

invention was made to combine the teachings of the cited references because teaching

Luke's would have allowed **Eldreth's** to provide a methods to simplify management of

storage in digital networks, and enable flexible deployment of NAS, SAN, and other

storage systems, as noted by **Luke** (Column 3, lines 15-18).

Regarding claim 14, **Eldreth** does not explicitly teach a system comprising:

A) wherein after the query data is used by the database system, the database system designates the query data as used, thereby enabling them to be erased from the storage system at a later time.

Luke, however, teaches **"wherein after the query data is used by the database system, the database system designates the query data as used, thereby enabling them to be erased from the storage system at a later time"** as "cache a file, retrieve a cached file (on board or off), and bypass a cached file (On board or off)" (Column 9, lines 6-14).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the cited references because teaching **Luke's** would have allowed **Eldreth's** to provide a methods to simplify management of storage in digital networks, and enable flexible deployment of NAS, SAN, and other storage systems, as noted by **Luke** (Column 3, lines 15-18).

11.   Claims 11-13, 22, 34-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Eldreth** (U.S. Patent 6,292,800) as applied to claims 1-8, 15-21, 23-33, and 37-42 above and in view of **Dar et al.** (U.S. PGPUB 2003/0154236).

12.   Regarding claim 11, **Eldreth** does not explicitly teach a system comprising:
A) wherein the file has associated therewith a key and the key is used to control access to the results.

Dar, however, teaches **"wherein the file has associated therewith a key and the key is used to control access to the results"** as "communication between the agents and dBSwitch may be encrypted, in order to ensure that the agents only performs commands on behalf of the dBSwitch and that information sent from the agents can only be used by the dBSwitch" (Paragraph 64).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the cited references because teaching **Dar's** would have allowed **Eldreth's** to provide a method to provide for high utilization, high availability, scalability on demand, simplified management and security, in a shared and heterogeneous application environment, as noted by **Dar** (Paragraph 22).

Regarding claim 12, **Eldreth** further teaches a system comprising:
A) wherein the file also has associated therewith a flag to indicate status of the file (Column 5, lines 22-44).

Regarding claim 13, **Eldreth** further teaches a system comprising:
A) wherein the flag indicates at least one of whether the file is being written, is ready to be read, is being read, and is available to be deleted (Column 5, lines 22-44).

Regarding claim 22, **Eldreth** does not explicitly teach a system comprising:
A) wherein the file has associated therewith a key and the key is used to control access to the results.

Dar, however, teaches **"wherein the file has associated therewith a key and the key is used to control access to the results"** as "communication between the agents and dBSwitch may be encrypted, in order to ensure that the agents only performs commands on behalf of the dBSwitch and that information sent from the agents can only be used by the dBSwitch" (Paragraph 64).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the cited references because teaching **Dar's** would have allowed **Eldreth's** to provide a method to provide for high utilization, high availability, scalability on demand, simplified management and security, in a shared and heterogeneous application environment, as noted by **Dar** (Paragraph 22).

Regarding claim 34, **Eldreth** does not explicitly teach a system comprising:

A) generating a key for the results to identify their location; and

B) sending the key over the network to the query provider.

Dar, however, teaches **"generating a key for the results to identify their location"** and **"sending the key over the network to the query provider"** as "communication between the agents and dBSwitch may be encrypted, in order to ensure that the agents only performs commands on behalf of the dBSwitch and that information sent from the agents can only be used by the dBSwitch" (Paragraph 64).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the cited references because teaching **Dar's** would have allowed **Eldreth's** to provide a method to provide for high utilization,

high availability, scalability on demand, simplified management and security, in a shared

and heterogeneous application environment, as noted by **Dar** (Paragraph 22).

Regarding claim 35, **Eldreth** further teaches a system comprising:

A) a step of, at the query provider, retrieving the results from the storage system

(Column 3, lines 25-37, Figures 2-3).

Regarding claim 36, **Eldreth** does not explicitly teach a system comprising:

A) encrypting at least one of the key and the results.

Dar, however, teaches **"encrypting at least one of the key and the results"** as

"communication between the agents and dBSwitch may be encrypted, in order to

ensure that the agents only performs commands on behalf of the dBSwitch and that

information sent from the agents can only be used by the dBSwitch" (Paragraph 64).

It would have been obvious to one of ordinary skill in the art at the time the

invention was made to combine the teachings of the cited references because teaching

Dar's would have allowed **Eldreth's** to provide a method to provide for high utilization,

high availability, scalability on demand, simplified management and security, in a shared

and heterogeneous application environment, as noted by **Dar** (Paragraph 22).

13.   Claim 43 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Eldreth**

(U.S. Patent 6,292,800) as applied to claims 1-8, 15-21, 23-33, and 37-42 above and in

view of **Garimella et al.** (U.S. PGPUB 2005/0015415).

14.   Regarding claim 43, **Eldreth** does not explicitly teach a system comprising:

A) wherein the first connection is a Local Area Network; and

B) wherein the second connection is a Storage Area Network.

Garimella, however, teaches **"wherein the first connection is a Local Area Network"** as "LAN" (Figure 1) and **"wherein the second connection is a Storage Area Network"** as "SAN" (Figure 1).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the cited references because teaching **Garimella's** would have allowed **Eldreth's** to provide a method to improve coordination of vokume access operations to avoid conflicts and corruption problems when multiple devices have access to the volume over a network, as noted by **Garimella** (Paragraph 7).

Conclusion

15.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. PGPUB 2002/0083120 issued to **Soltis** on 27 June 2002. The subject matter disclosed therein is pertinent to that of claims 1-43 (e.g., methods to use and operate storage networks).

U.S. PGPUB 2002/013359 issued to **Monday** on 19 September 2002. The subject matter disclosed therein is pertinent to that of claims 1-43 (e.g., methods to use and operate storage networks).

· U.S. Patent (5,950,203) issued to **Stakuis** on 07 September 1999. The subject

matter disclosed therein is pertinent to that of claims 1-43 (e.g., methods to use and

operate storage networks).

Contact Information

16.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Mahesh Dwivedi whose telephone number is (571) 272-

2731. The examiner can normally be reached on Monday to Friday 8:20 am – 4:40 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Tim Vo can be reached (571) 272-3642. The fax number for the

organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Mahesh Dwivedi

Patent Examiner

Art Unit 2168

MD

3/15/06

March 15, 2006

Leslie Wong

Primary Examiner